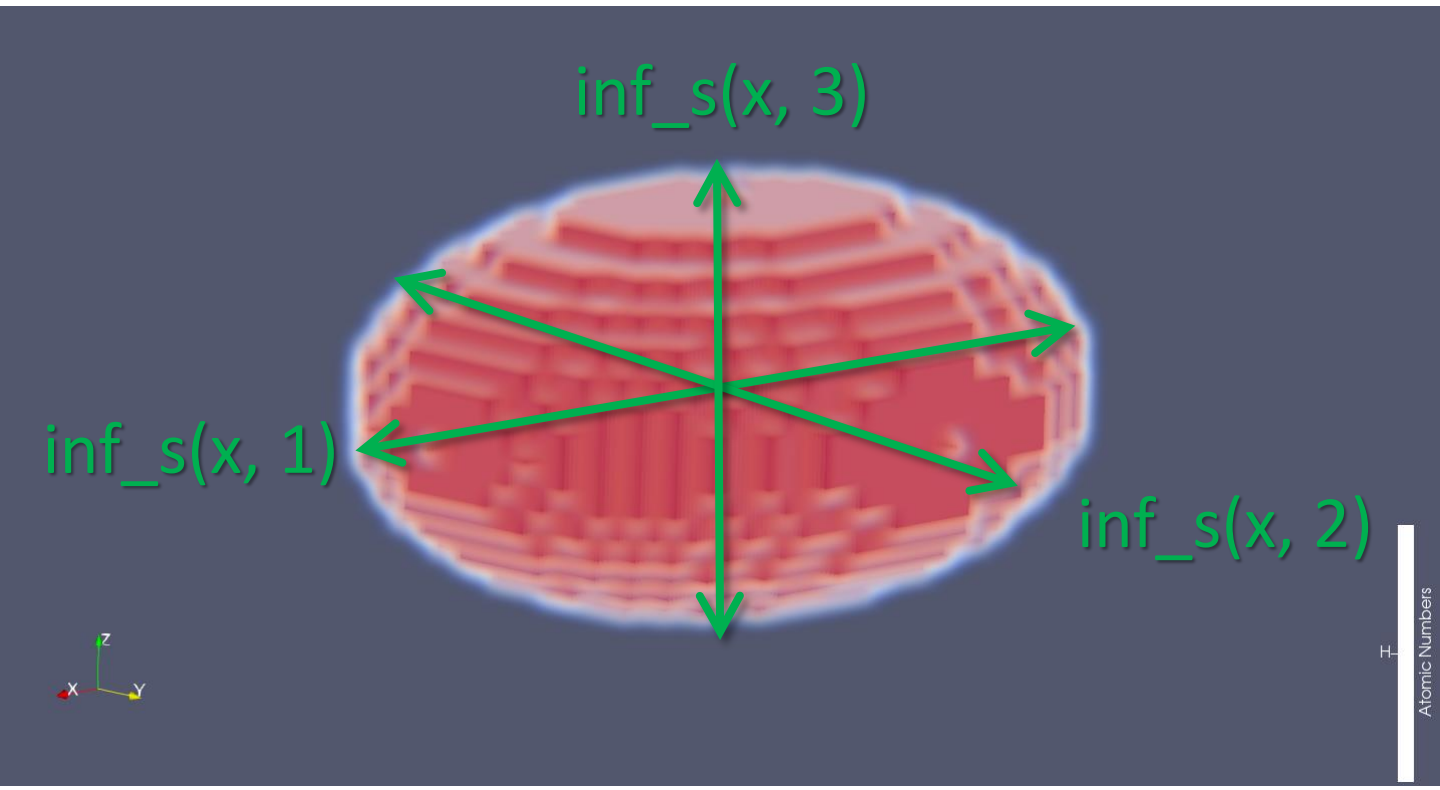
typ_s(x) = 'ellipsoid'

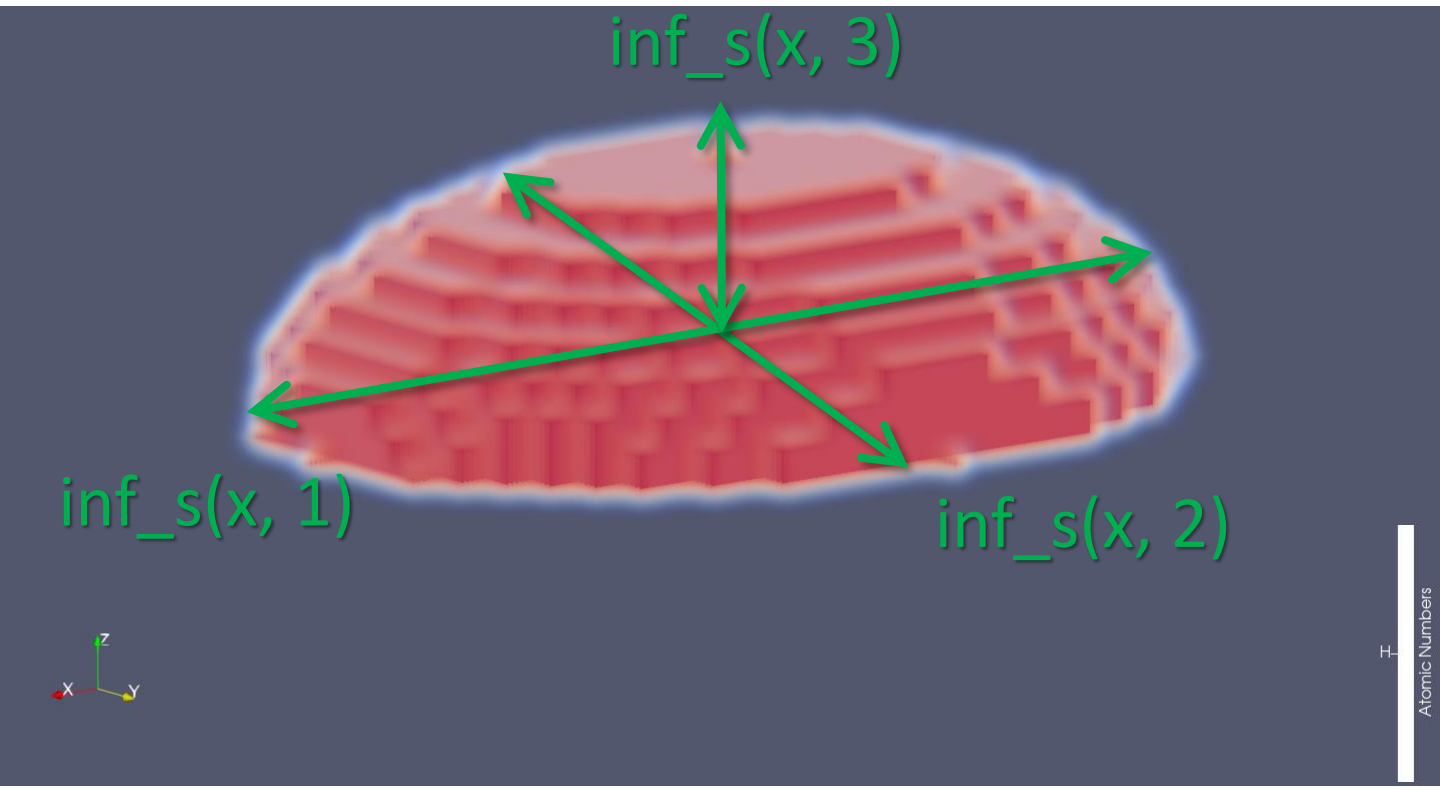
inf_s(x, 1) : Diameter along x-axis.
inf_s(x, 2) : Diameter along y-axis.
inf_s(x, 3) : Diameter along z-axis.



The origin is located on the center of the shape.

typ_s(x) = 'half-ellipsoid'

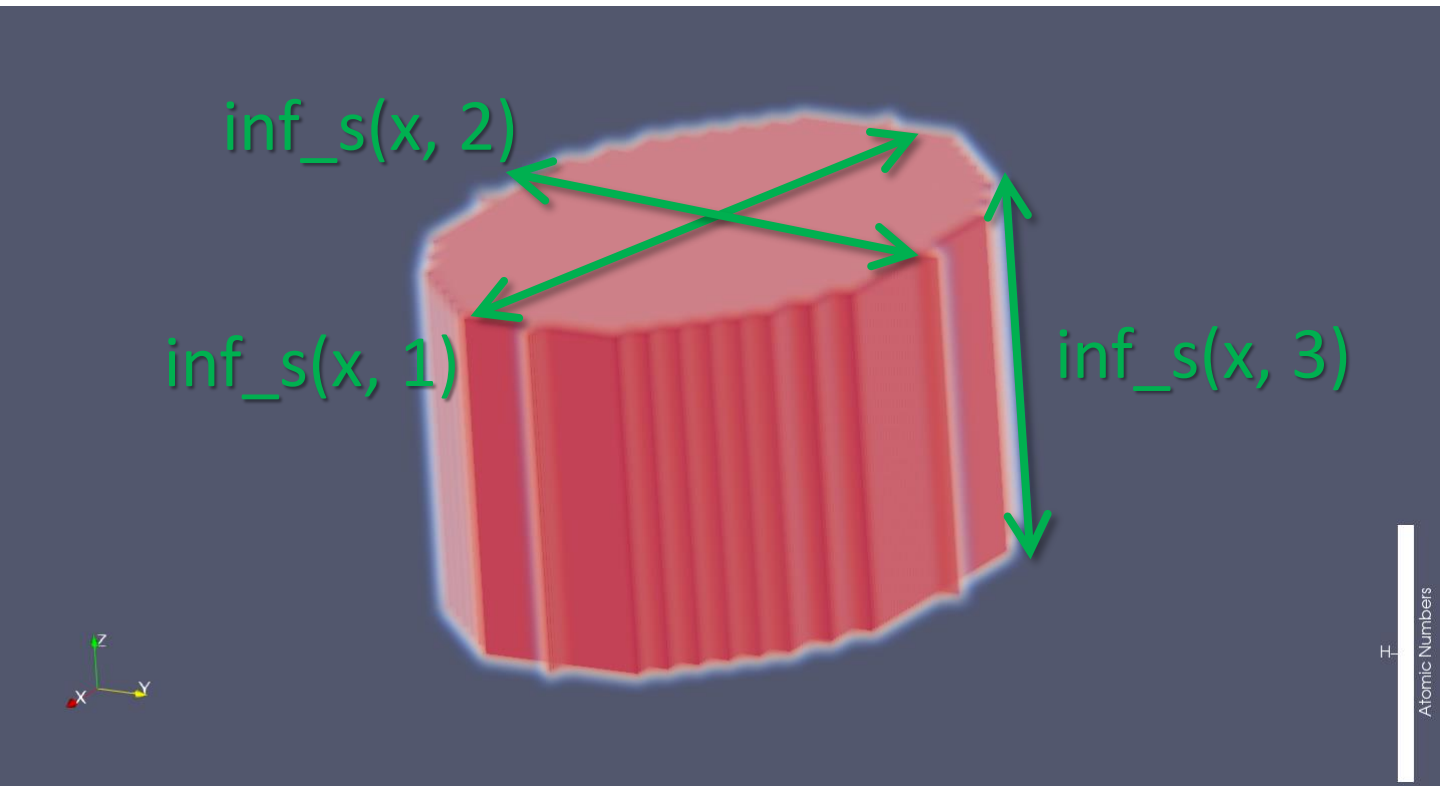
inf_s(x, 1) : Diameter along x-axis.
inf_s(x, 2) : Diameter along y-axis.
inf_s(x, 3) : Height(=radius) along z-axis.



The origin along the z axis located below the shape.
(The origin on the xy-plane is located on the center of the ellipsoid)

typ_s(x) = 'elliptic-cylinder'

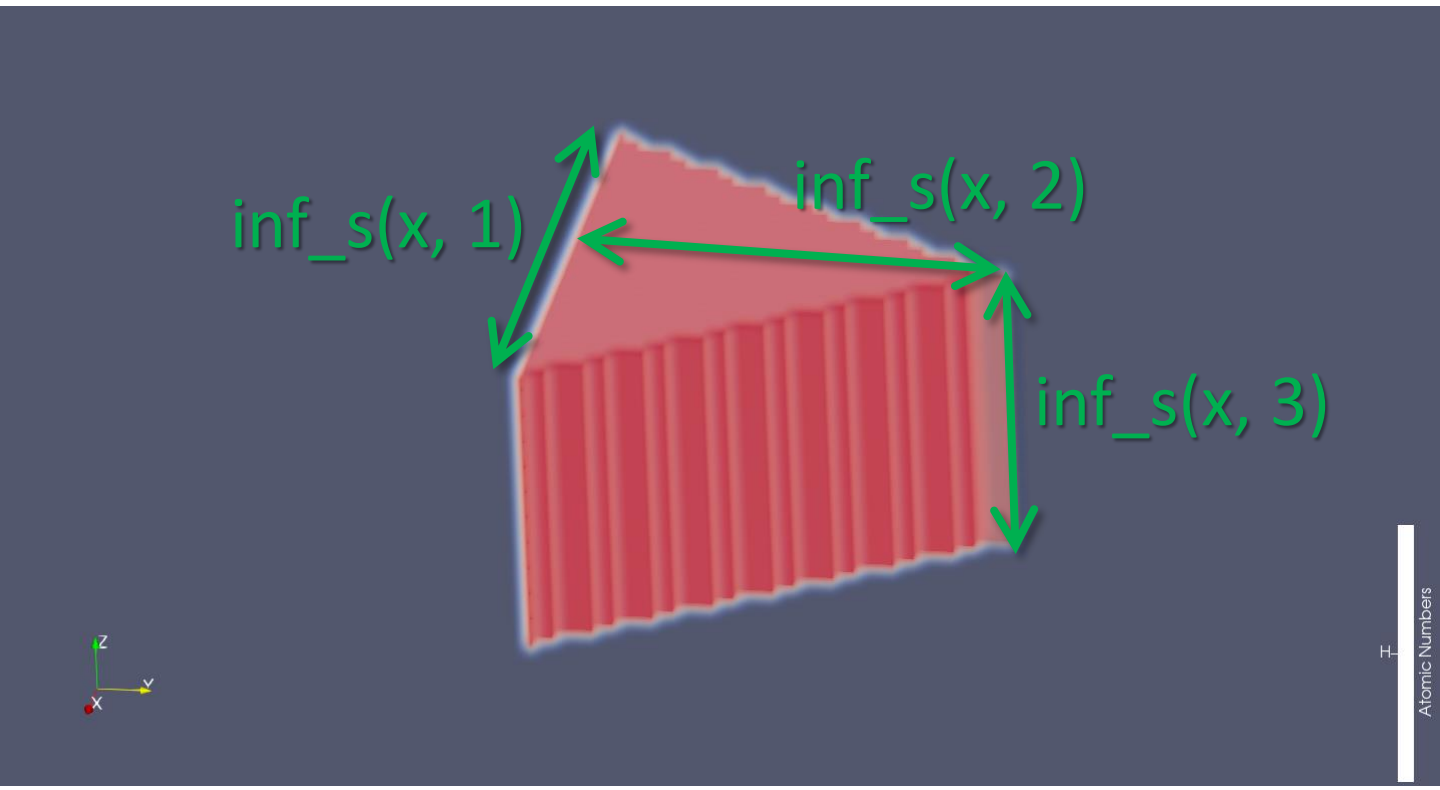
inf_s(x, 1) : Diameter along x-axis.
inf_s(x, 2) : Diameter along y-axis.
inf_s(x, 3) : Side length along z-axis.



The origin is located on the center of the shape.

typ_s(x) = 'triangular-cylinder'

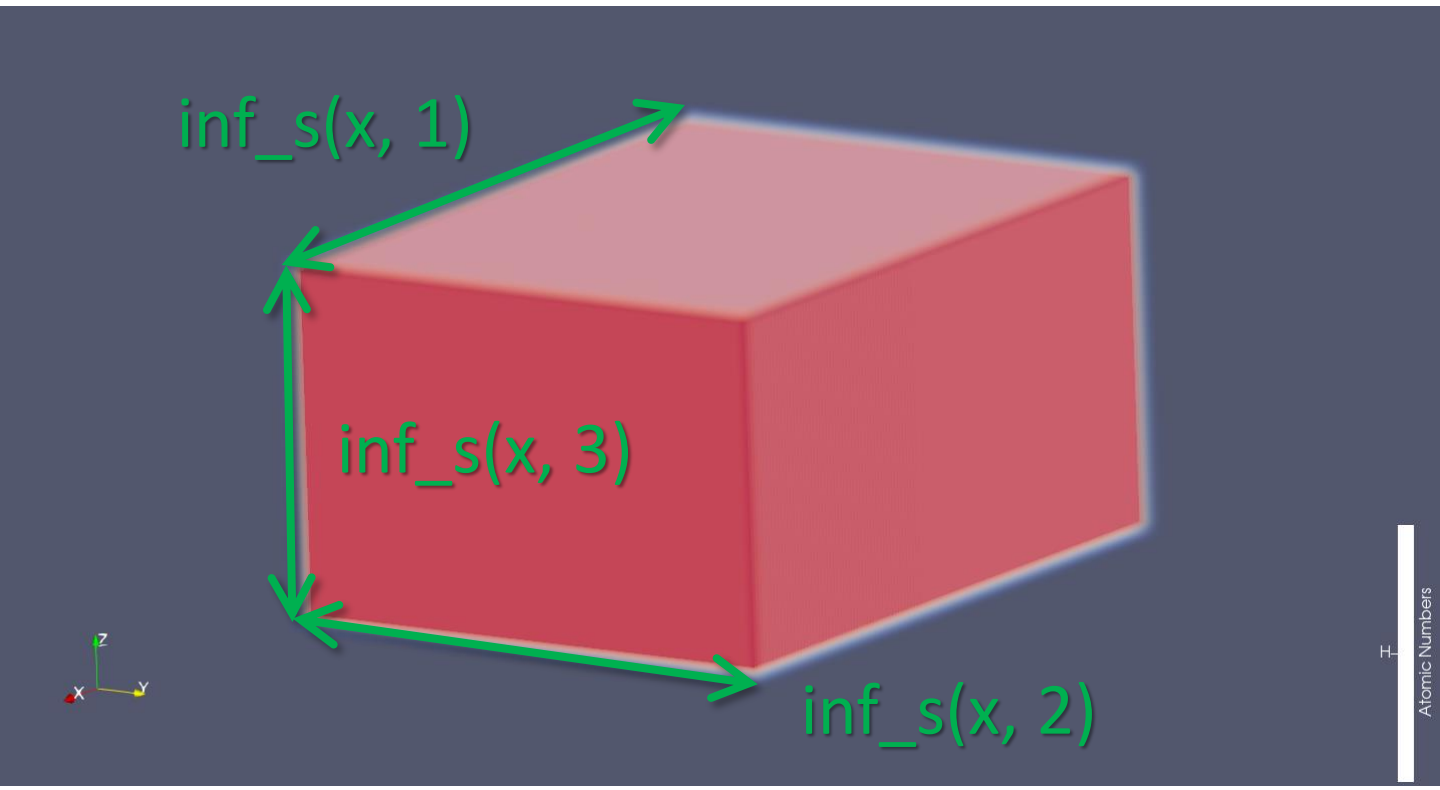
inf_s(x, 1) : Side length along x-axis.
inf_s(x, 2) : Height along y-axis.
inf_s(x, 3) : Side length along z-axis.



The origin is located on the center of the shape. (The origin on the xy-plane is located on the center of the triangle)

typ_s(x) = 'rectangular-cylinder'

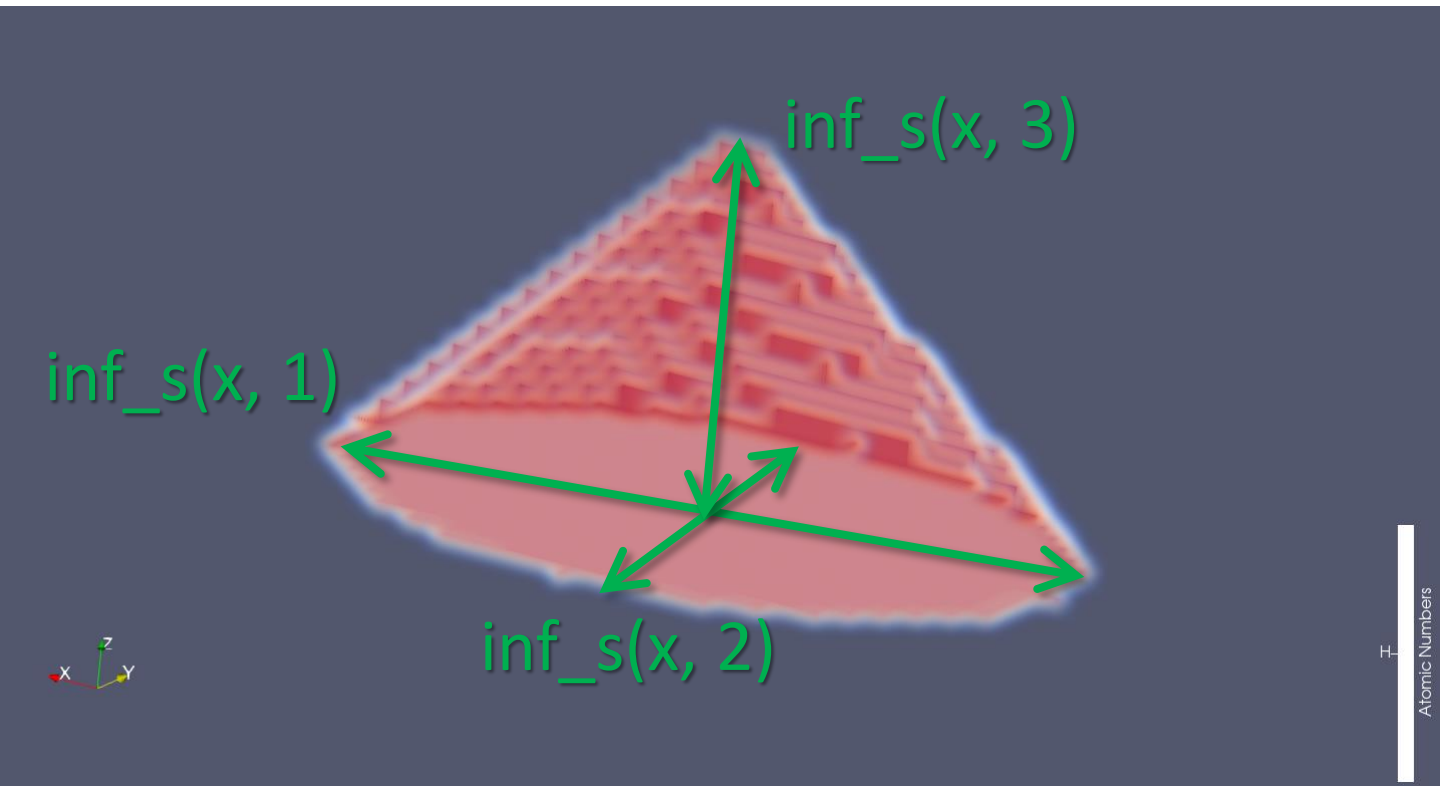
inf_s(x, 1) : Side length along x-axis.
inf_s(x, 2) : Side length along y-axis.
inf_s(x, 3) : Side length along z-axis.



The origin is located on the center of the shape.

typ_s(x) = 'elliptic-cone'

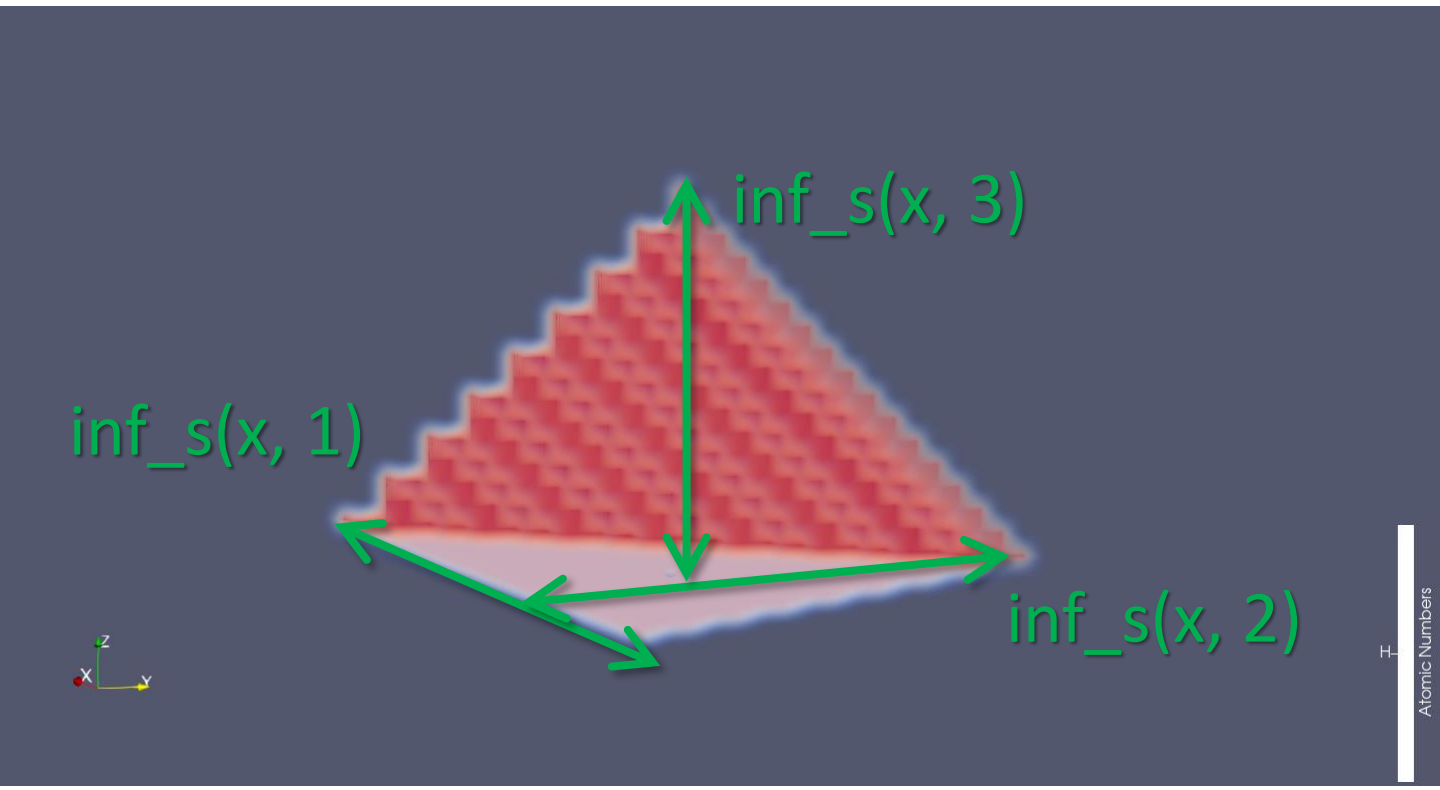
inf_s(x, 1) : Diameter along x-axis.
inf_s(x, 2) : Diameter along y-axis.
inf_s(x, 3) : Height along z-axis.



The origin along the z axis located below the shape.
(The origin on the xy-plane is located on the center of the ellipsoid)

typ_s(x) = 'triangular-cone'

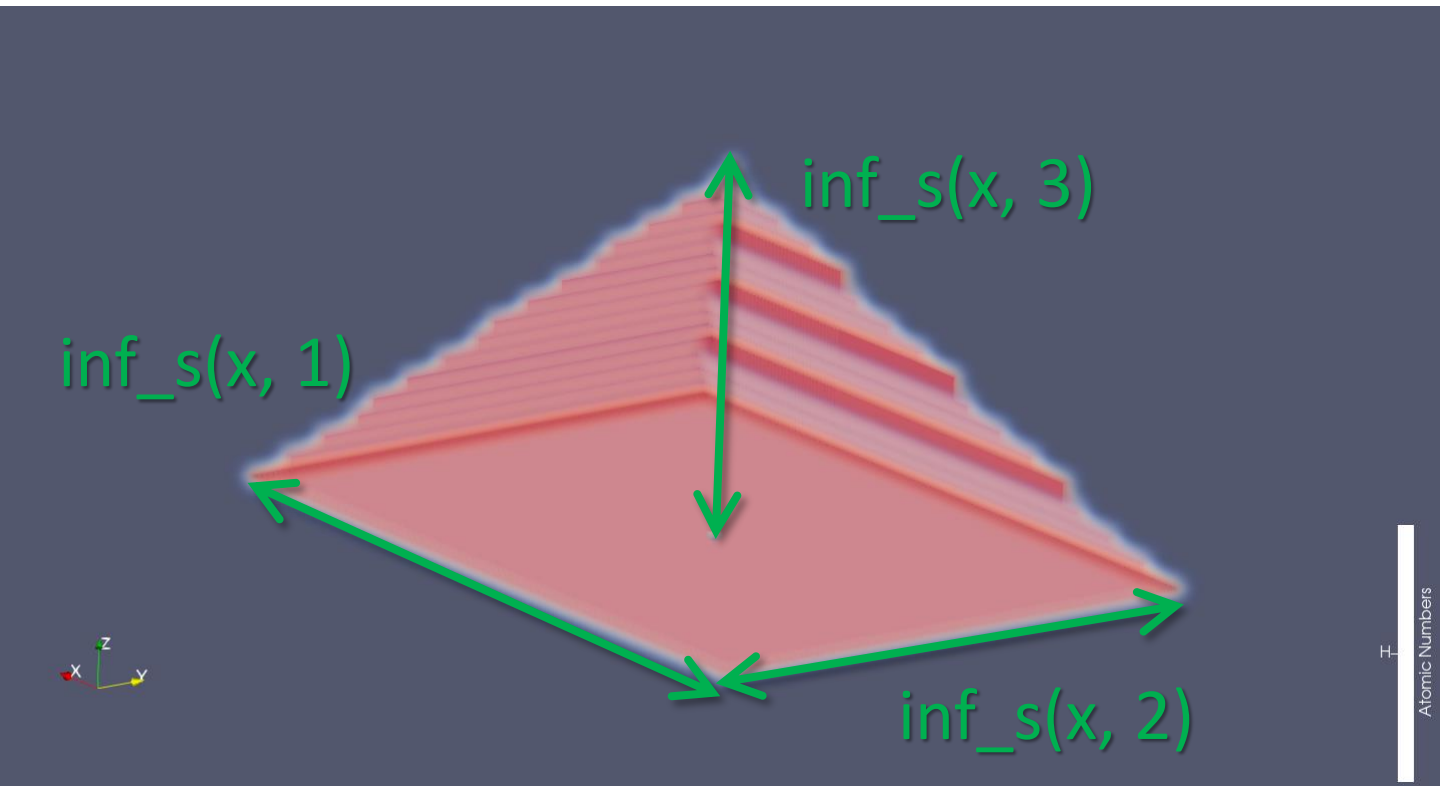
inf_s(x, 1) : Side length along x-axis.
inf_s(x, 2) : Height along y-axis.
inf_s(x, 3) : Height along z-axis.



The origin along the z axis located below the shape.
(The origin on the xy-plane is located on the center of the triangle)

typ_s(x) = 'rectangular-cone'

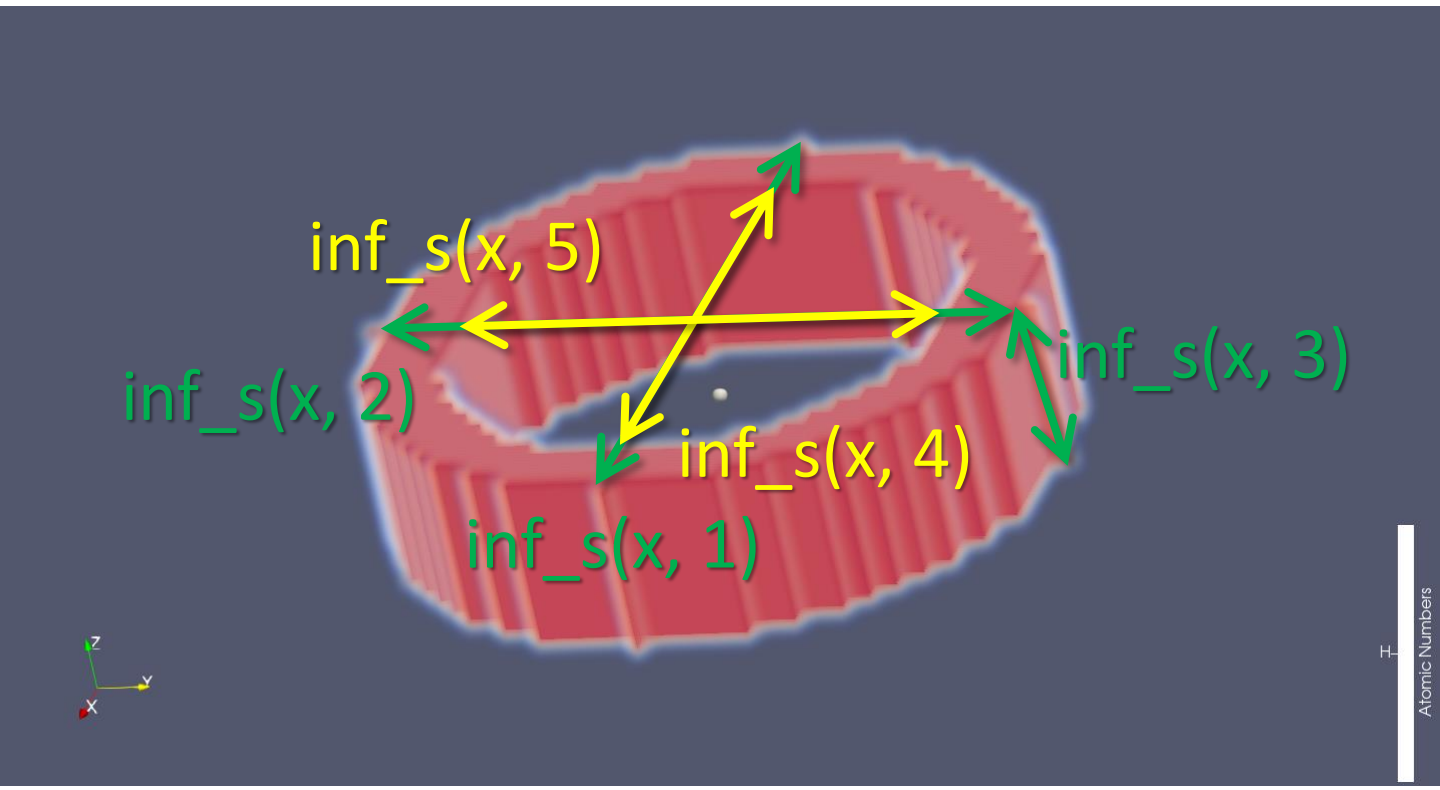
inf_s(x, 1) : Side length along x-axis.
inf_s(x, 2) : Side length along y-axis.
inf_s(x, 3) : Height along z-axis.



The origin along the z axis located below the shape.
(The origin on the xy-plane is located on the center of the rectangle)

typ_s(x) = 'elliptic-ring'

inf_s(x, 1) : Outer diameter along x-axis.
inf_s(x, 2) : Outer diameter along y-axis.
inf_s(x, 3) : Side length along z-axis.
inf_s(x, 4) : Inner diameter along x-axis.
inf_s(x, 5) : Inner diameter along y-axis.



The origin is located on the center of the shape.